

FORT SMITH DOWNTOWN TRAFFIC AND TRUCK STUDY



Kickoff Meeting: December 17, 2018

AGENDA

1. **Introductions**
2. Role of working group
3. Overview of project
4. Study goals and objectives
5. Project tasks and timeline
6. Data collection
7. Project issues



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PROJECT TEAM



**JAMES
ARBUCKLE, PE**
Project Manager



**JD
ALLEN, AICP, TSSP-BUS/RAIL**
Traffic Modeling / Public Involvement



**BRIAN
VINES, PE**
Data Collection/Traffic Engineering



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ALLEN, AICP, TSSP-BUS/RAIL**
Traffic Modeling / Public Involvement



**BRIAN
VINES, PE**
Data Collection/Traffic Engineering



STEVE MILLER, PE
Alternative Development



SALLY HORSEY
Planning/Public Involvement



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ROLE OF WORKING GROUP

1. The Study Team Needs Your Input
 - Provide background information
 - Identify/highlight issues
 - Offer feasible alternatives
 - Bring specific experience and knowledge to the table
2. The Study Team Needs your Participation
 - Webex meetings (monthly)
 - Review of Draft Working Documents
 - Attend Open House
3. The Study Team Needs your Comments
 - Document sharing
4. The Study Team Needs to Operate Under Realistic Expectations
 - Realize that the Study has limitations
 - Realize that there is no silver bullet solution
 - Be Open Minded and Objective
5. Other steering committee policies



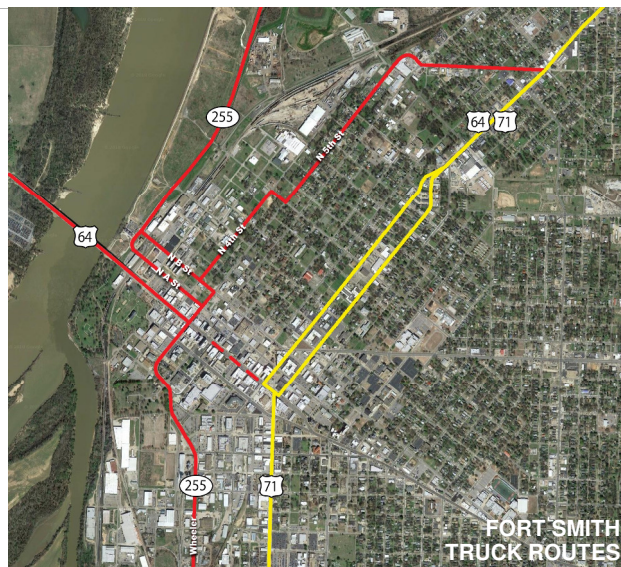
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PROJECT OVERVIEW



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GOALS AND OBJECTIVES

PARTNERING WITH YOU TO MAKE YOUR VISION A REALITY

*"...identify **A BALANCED SOLUTION** that allows for continued growth and prosperity of nearby industrial businesses, while not compromising the desire to enhance the safety, aesthetic appeal, and charming environment envisioned for Downtown."*

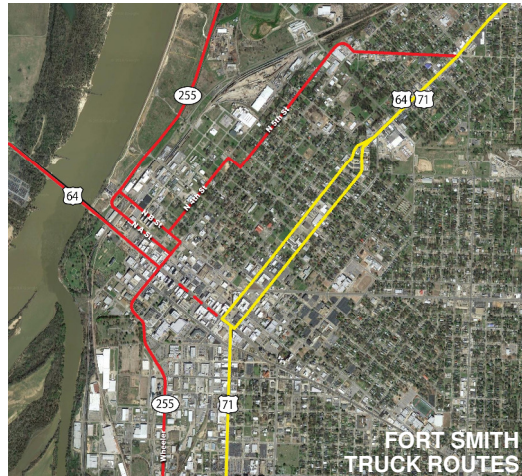
Propelling Downtown Forward 2017, p.60



GOALS AND OBJECTIVES

“BALANCED SOLUTION”

- Economic growth and prosperity
 - Local truck traffic contributors
- Promote the Downtown Vision
 - Minimize pass-through (disruptive) traffic
 - Unify downtown districts/neighborhoods
 - Create a vibrant destination



GOALS AND OBJECTIVES

ECONOMIC VITALITY

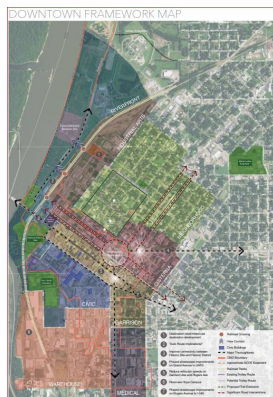
- Develop efficient routing for local traffic
- Enhance traffic progression in downtown
- Provide opportunities for future growth



GOALS AND OBJECTIVES

PRESERVE DOWNTOWN CHARACTER

- Reduce through trips
- Efficiently convey through trips



Downtown Framework Map
from Propelling Downtown
Forward



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DATA COLLECTION/DEVELOPMENT

REVIEW PREVIOUS STUDIES/PLANS

- 2040 Comprehensive Plan Update
- Propelling Downtown Forward Vision
- Bike/Ped Plan
- Transit Plan
- Zoning



2040: THE NEW FRONTIER



9/26/2016 Frontier MPO Metropolitan Transportation Plan

FRONTIER METROPOLITAN PLANNING ORGANIZATION
1109 S. 18th STREET, P.O. BOX 2067
FORT SMITH, AR 72902
PHONE (479) 782-2831
FAX (479) 782-1964
www.frontiermpo.com



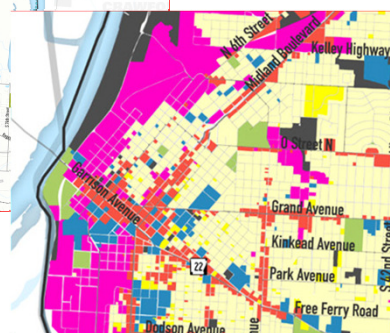
DATA COLLECTION/DEVELOPMENT

MAP OPPORTUNITIES / CONSTRAINTS

- Planned developments
- Destinations
- Historic properties
- USCOE easement
- Other infrastructure (railroads, etc)



Freight and Transportation



Existing Land Use Map

Maps from Fort Smith Future



NEEDS ASSESSMENT

TRAFFIC MODELING/ ANALYSIS

- Arkansas Statewide Model
 - TransModeler – DTA
- Freight Analysis Framework (FAF4)
- National Performance Management Research Data Set (Interstates & NHS)
 - Focus primary data collection
- Classification counts
- Manufacturing/Warehousing Build-out Potential
- Identify Contributors versus Disruptors



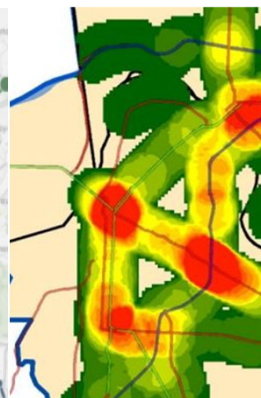
NEEDS ASSESSMENT

TRAFFIC OPERATIONS ANALYSIS

- Routing
 - Origins and Destinations
 - Wayfinding
- Operations
 - Safety/crashes
 - Signals
 - Turning radii
 - Directionality
 - Closures



O-D Bubble Chart



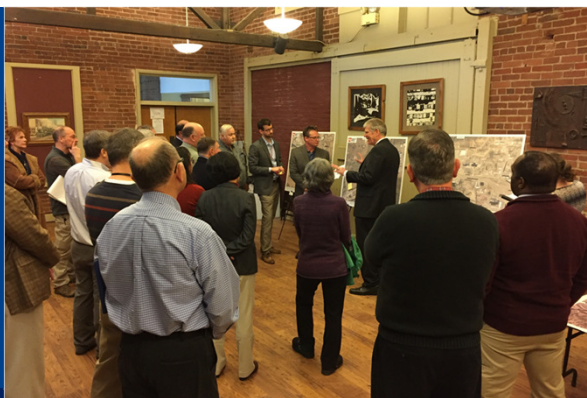
Crash Heat Map



PUBLIC INVOLVEMENT

SURVEYS/ INTERVIEWS

- Surveys / Interviews
 - City and State officials
 - Chamber members
 - Select businesses
 - Local trucking
 - General Pallets
 - OK Foods
 - ABF Freight, etc.



PUBLIC INVOLVEMENT

OUTREACH

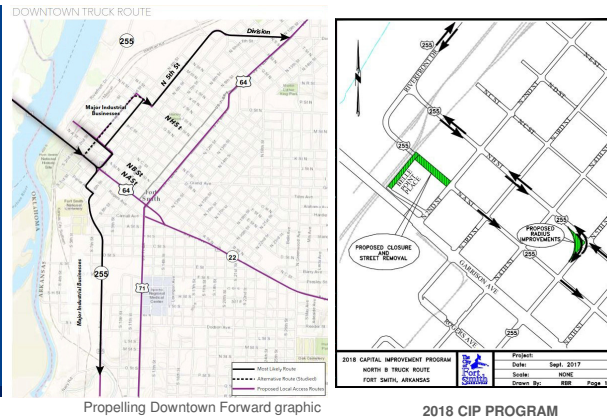
- Open House Public Meeting
 - Identification of Deficiencies
 - Validate Vision and Goals
 - Prioritize Performance Measures



ALTERNATIVE DEVELOPMENT/ANALYSIS

DEVELOP/ ANALYZE ALTERNATIVES

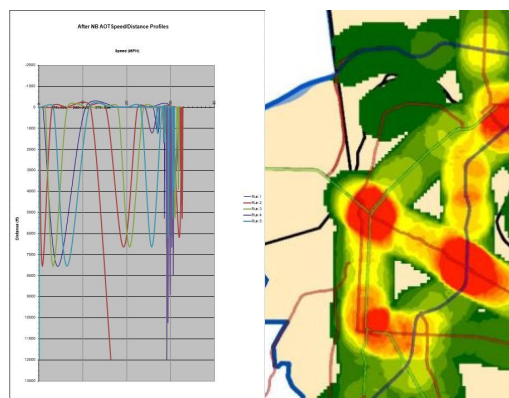
- Identify improvements to existing infrastructure
- Identify new corridor alts
- Test propelling downtown alts/ideas
- Assess impacts to traffic patterns and potential improvements
- Prepare costs



ALTERNATIVE DEVELOPMENT/ANalysis

PASS THROUGH (DISRUPTORS)

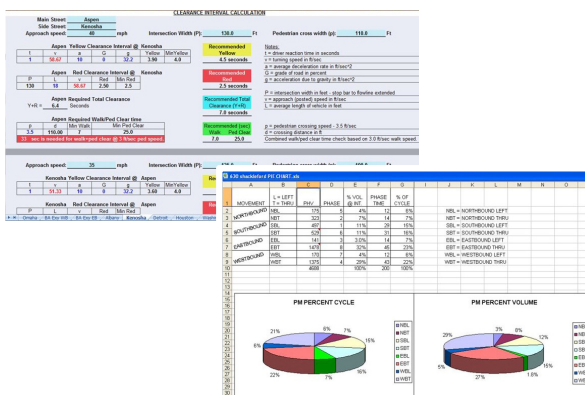
- Wayfinding
- Operations
 - Safety
 - Others noted previously
- Route designation (ARDOT)



IMPLEMENTATION PLAN

STAGED IMPROVEMENT OUTCOMES

- Short-term (easy to implement / cost effective)
- Mid-term (coordination / collaboration / development)
- Long-term (programming)
- Performance measures (MPO programming)



PROJECT SCHEDULE

TASK AND DESCRIPTION		DECEMBER '18		JANUARY				FEBRUARY				MARCH				APRIL				MAY				JUNE				JULY				AUGUST					
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	
1	Project Management																																				
1.1.	Project coordination/Admin																																				
2	Stakeholder Engagement																																				
2.1.	Initial Coordination with Steering Committee & MPO																																				
2.2.	Initial Stakeholder Workshops																																				
3	Discovery Existing Conditions & Needs Assessment																																				
3.1.	Discovery and Data Development																																				
3.2.	Existing Conditions and Needs Assessment																																				
4	Alternatives Analysis																																				
4.1.	Develop Performance Measures																																				
4.2.	Alternatives Identification																																				
4.3.	Alternatives Analysis																																				
	Environmental Screening																																				
	Evaluate/Consider Alternative Transportation Modes																																				
5	Preferred Scenario Concept & Implementation Plan																																				
5.1.	Preferred Scenario Concept Plan																																				
5.2.	Implementation Plan																																				
	-Policy Recommendations																																				
	-Short-term, mid-range and long-range/ultimate																																				
	-Wayfinding Concept																																				
	-Strategies to Maintain and Enhance a Strong Downtown																																				
	-Cost Estimates																																				
	-Identify Potential Funding Sources																																				
	-Project Timing and Phasing																																				
6	Final Plan Brochure and Presentation																																				
	-Prepare Draft Brochure																																				
	-Prepare Final Brochure																																				
	-Final Presentation																																				



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DATA COLLECTION NEEDS

- | | |
|---|---|
| <ul style="list-style-type: none"> ✓ Propelling Downtown Forward Plan ✓ 2040: The New Frontier – Frontier MPO Metropolitan Transportation Plan ✓ County and city subdivision and development regulations ✓ Zoning and Land Use Plans (<i>will be changing in CBID</i>) <ul style="list-style-type: none"> ■ Future large business or expansion plans ■ Infrastructure and/or roadway design standards ✗ Local parking regulations (as it pertains to on-street parking) <i>none exist</i> ✓ Access management policies ✓ Recent Ft. Smith Traffic counts <ul style="list-style-type: none"> ■ Signal timing ■ Lane assignments ■ Controller types | <ul style="list-style-type: none"> ■ ARDOT Crash Records/City of Fort Smith Police Reports on Crashes in study area ■ ARDOT Travel Demand Model (TDM) ■ ARDOT Statewide Transportation Plan ■ ARDOT Statewide Freight Plan ■ ARDOT Traffic Count Data Base ■ Freight Analysis Framework (FAF-4) data from BTS ■ American Trucking Research Institute origin and destination data ■ National Performance Management Research Dataset (NPMRDS) ■ Digital aerial orthophotography of the study area |
|---|---|



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QUESTIONS?

Wednesday, March 27, 2019

